

# Converting Colors

XYZ(68.2778, 56.0923, 70.2671)

Have a look what the booklet for  
XYZ(68.2778, 56.0923, 70.2671)  
contains.

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# Color

**XYZ(68.1938, 55.9512,  
70.1563)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | FFADD5                     |
| RGB           | 255, 173, 213              |
| RGB Percent   | 100%, 68%, 84%             |
| CMY           | 0.0000, 0.3215, 0.1647     |
| CMYK          | 0.00, 0.32, 0.16, 0.00     |
| HSL           | 331°, 100%, 84%            |
| HSV           | 331°, 32%, 100%            |
| XYZ           | 68.1938, 55.9512, 70.1563  |
| YIQ           | 202.0780, 36.0320, 29.8240 |

# Conversions

## Conversions Part 2

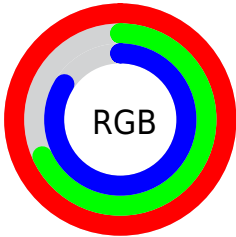
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 255, 173, 213                |
| Decimal                             | 16756181                     |
| CIE Lab                             | 79.59, 35.61, -7.94          |
| CIE LCh                             | 80, 36.481, 347.431          |
| Yxy                                 | 55.9512, 0.3510,<br>0.2880   |
| Android<br>(android.graphics.Color) | 4294946261<br>(0xFFFFADD5)   |
| YUV                                 | 202.0780, 5.3845,<br>46.4126 |
| Hunter-Lab                          | 74.8005, 31.8331,<br>-3.2484 |

# Details

The XYZ color **68.1938, 55.9512, 70.1563** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.2613, 85.3115, 77.3204**, and the grayscale version is **56.1406, 59.0643, 64.3211**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **35.7943, 27.5326, 35.7755** is the 20% darker color. If you saturate the color by 10%, you get **62.1709, 46.4525, 60.2960**, and if you desaturate by 10%, it is **75.2860, 67.3744, 81.0332**.

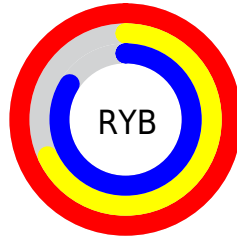
# Distribution



Red (100%)

Green (68%)

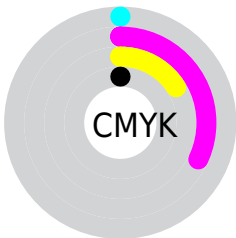
Blue (84%)



Red (100%)

Yellow (68%)

Blue (84%)

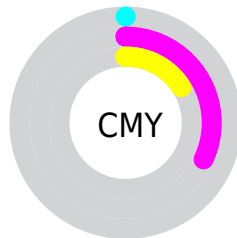


Cyan (0%)

Magenta (32%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1938, 55.9512, 70.1563 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.1938, 55.9512, 70.1563 by changing the saturation by 10% instead.




 68.1938, 55.9512,  
70.1563

 68.1938, 55.9512,  
70.1563


443.5483,  
409.5076, 479.9026

 50.3297, 40.1638,  
51.1764


 115.6697, 98.9332,  
121.1148

 35.8943, 27.6663,  
35.9713


146.0122,  
126.8966, 153.9305

 24.5223, 18.0742,  
24.1225


181.2449,  
159.6875, 192.1952

 15.8483, 11.0033,  
15.2115


221.7331,  
197.6902, 236.3274

 9.5071, 6.0691,  
8.8197

267.8422,  
241.2892, 286.7457

 5.1331, 2.8871,  
4.5285

319.9375,

 2.3611, 1.0731,

290.8688, 343.8687

1.9196

378.3845,  
346.8135, 408.1148

■ 0.8257, 0.0000,  
0.5051

■ 0.0000, 0.0000,  
0.0000

■ 68.1938, 55.9512,  
70.1563

■ 68.1938, 55.9512,  
70.1563

■ 62.1709, 46.4525,  
60.2960

■ 75.2860, 67.3744,  
81.0332

■ 57.1569, 38.7632,  
51.4148

■ 83.4957, 80.8139,  
92.9556

■ 53.0913, 32.7672,  
43.4771

■ 92.8725, 96.3647,  
105.9554

■ 49.9050, 28.3318,  
36.4433

95.0500, 100.0000,  
108.9000

■ 47.5189, 25.3040,  
30.2695

■ 45.8375, 23.4994,  
24.9059

■ 44.9024, 22.7250,  
21.2162

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.2768, 55.9512, 92.5926



68.1938, 55.9512, 70.1563



67.8284, 55.9512, 49.5879

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1938, 55.9512, 70.1563



49.0595, 55.9512, 29.9002



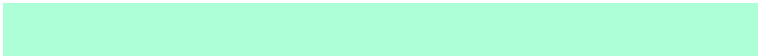
44.1847, 55.9512, 95.8380

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.1938, 55.9512, 70.1563



65.2613, 85.3115, 77.3204

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.8087, 55.9512, 73.8620



68.1938, 55.9512, 70.1563



43.4400, 55.9512, 37.4468

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1938, 55.9512, 70.1563



56.3137, 55.9512, 29.3509



40.5493, 55.9512, 52.5346



50.1647, 55.9512, 109.5550



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1938, 55.9512, 70.1563



65.2048, 55.9512, 39.4913



40.5493, 55.9512, 52.5346



42.7326, 55.9512, 88.9684

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.1951, 55.9536, 70.1574



85.4156, 83.9828, 95.6643



60.7272, 51.4061, 101.3294



18.0131, 17.5309, 20.0967



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1951, 55.9536, 70.1574



63.9594, 49.2487, 63.2993



63.7282, 54.1668, 46.6347



18.3786, 18.1348, 20.6110



23.5374, 11.9042, 11.4802



2.3467, 1.1811, 1.4073



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



68.1951, 55.9536, 70.1574



63.9594, 49.2487, 63.2993



71.0449, 87.6249, 107.7766



18.3786, 18.1348, 20.6110



23.5374, 11.9042, 11.4802



2.3467, 1.1811, 1.4073



# Previews

## White Background



This preview shows how the XYZ color 68.1938, 55.9512, 70.1563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

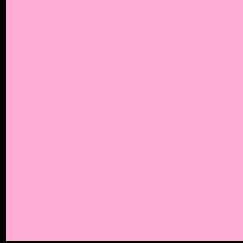
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.1938, 55.9512, 70.1563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.1938, 55.9512, 70.1563**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.1938, 55.9512, 70.1563.



This preview shows how white text looks on a background with the XYZ color 68.1938, 55.9512,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

68.1938, 55.9512, 70.1563

### Protanopia

55.4817, 56.2878, 81.3392

### Deuteranopia

57.3465, 56.2013, 68.7982



## Tritanopia

65.1613, 55.8574, 56.0624

# Trichromacy



## Original Color

68.1938, 55.9512, 70.1563



## Protanomaly

59.3268, 55.7412, 77.4443



## Deuteranomaly

60.7854, 55.7320, 69.1816



## Tritanomaly

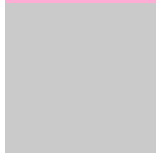
66.2264, 56.0105, 60.7467

# Monochromacy



## Original Color

68.1938, 55.9512, 70.1563



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

59.5902, 57.0900, 66.2712

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.1938, 55.9512, 70.1563 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 173, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 173, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 68.1938, 55.9512, 70.1563 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

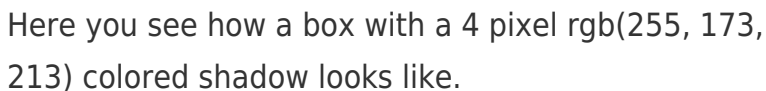
```
.border, #border, table{ border:4px solid rgb(255, 173, 213) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 173, 213) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(255, 173, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.1938, 55.9512, 70.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
173, 213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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